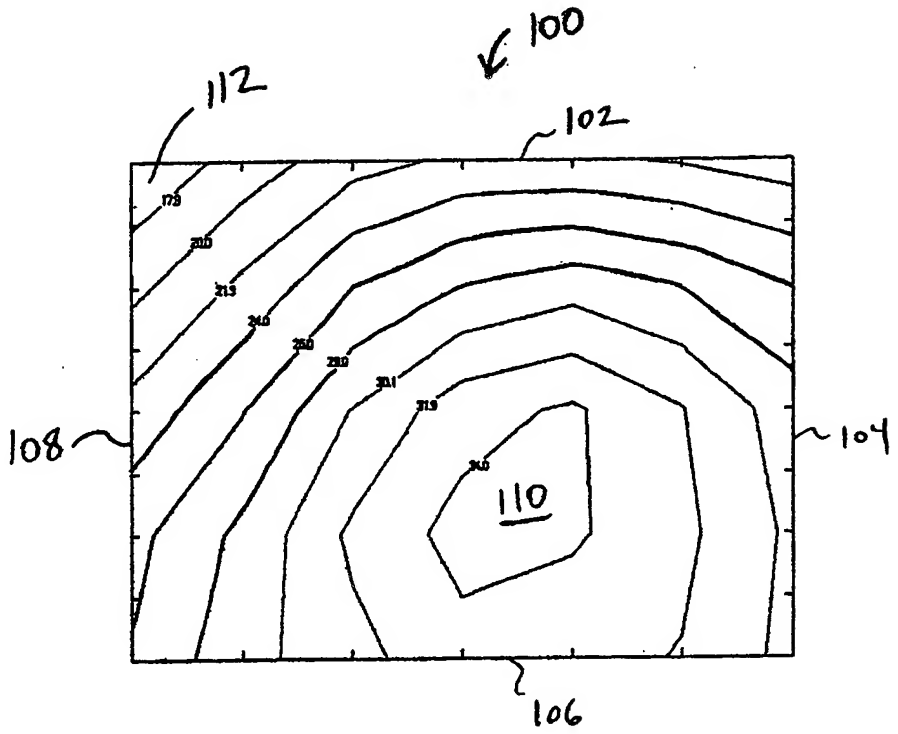


FIG. 1

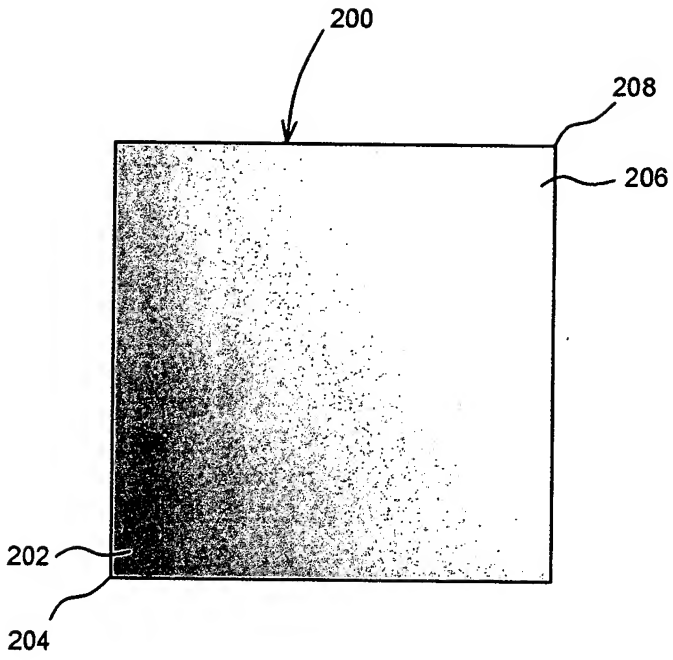

200
208
206
202
204

Fig. 2

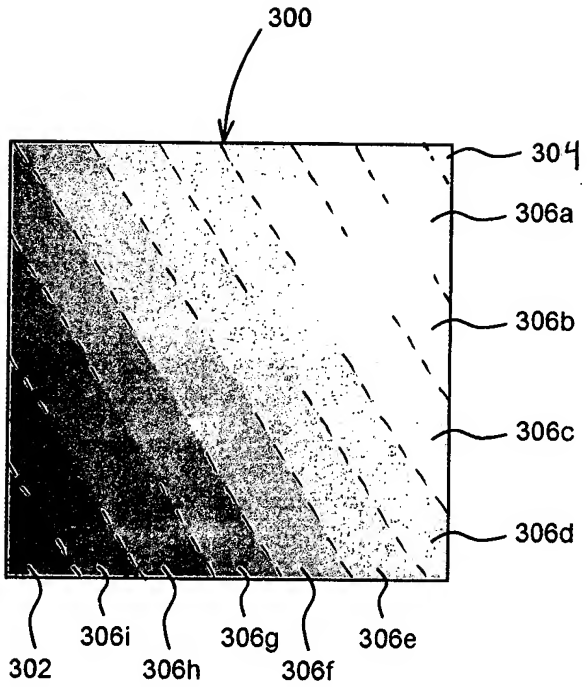

300
304
306a
306b
306c
306d
302
306i
306h
306g
306f
306e

Fig. 3

AMPAD
22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS

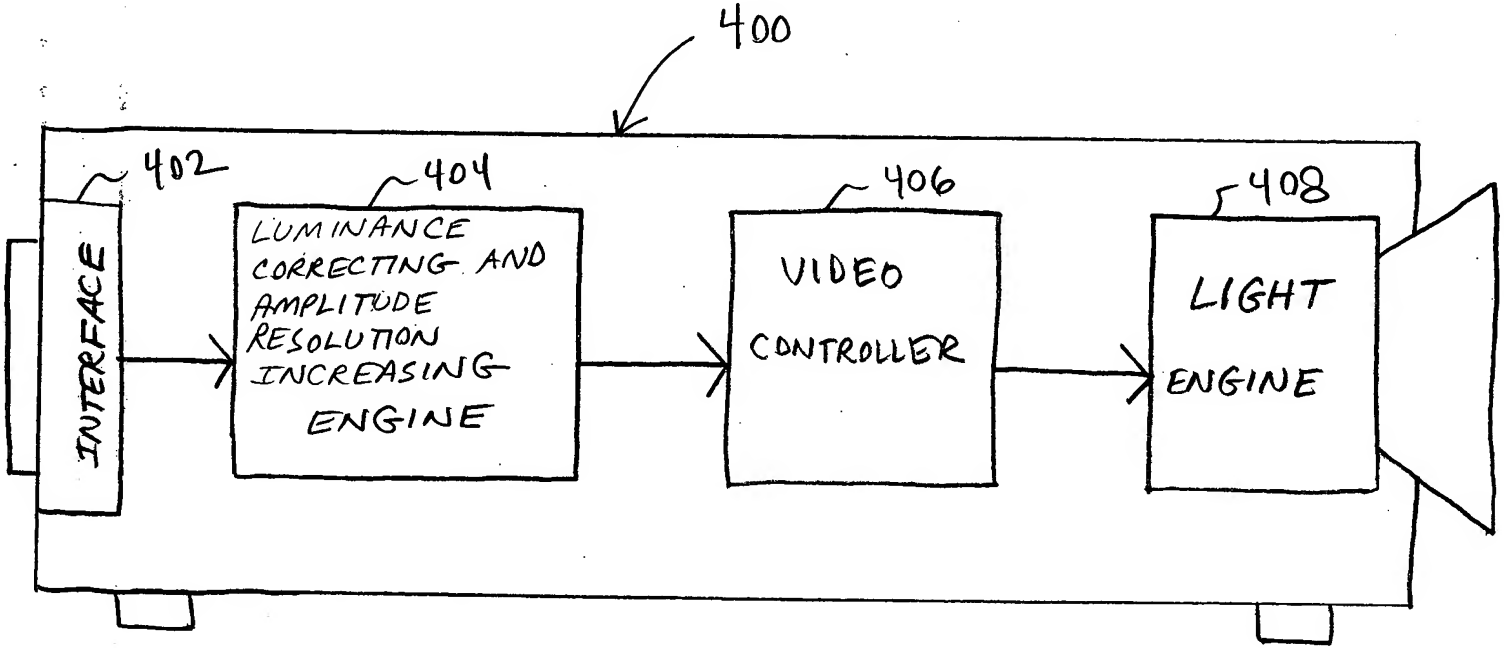


FIG. 4

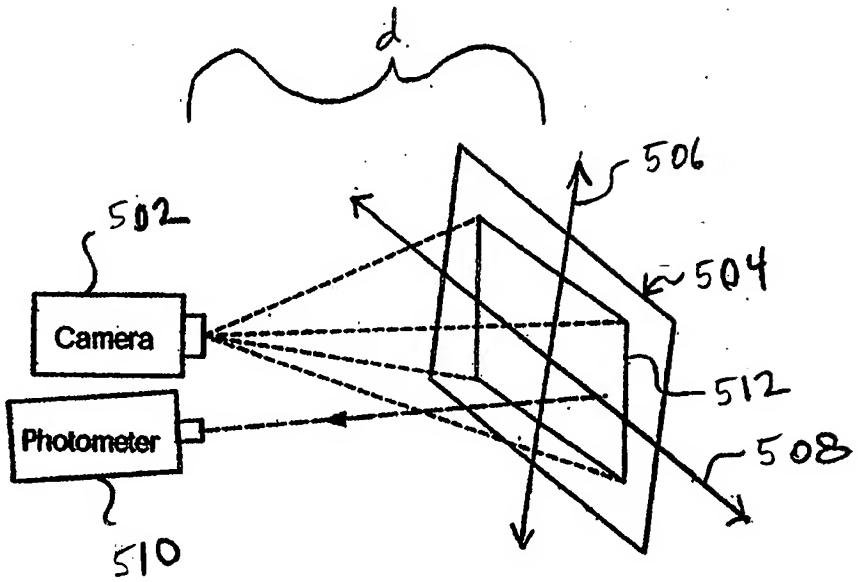


FIG. 5

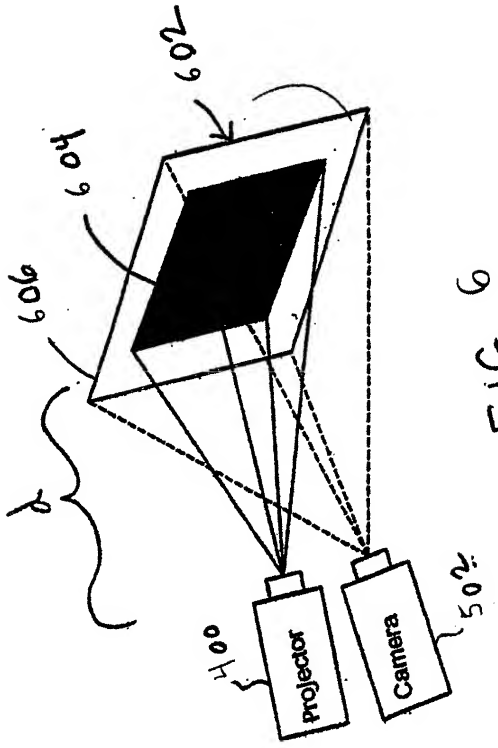


FIG. 6

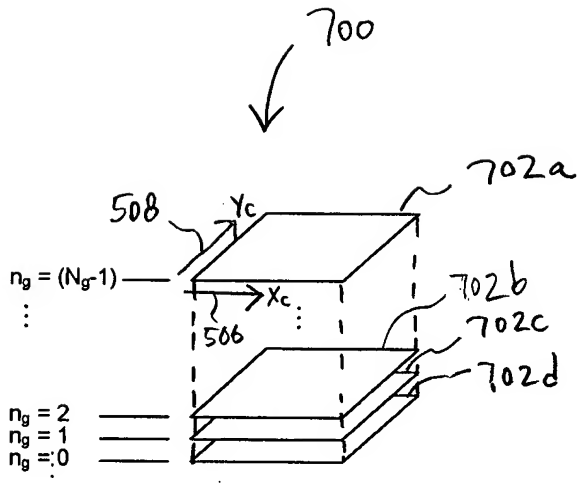


FIG. 7

22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS
AMPAD

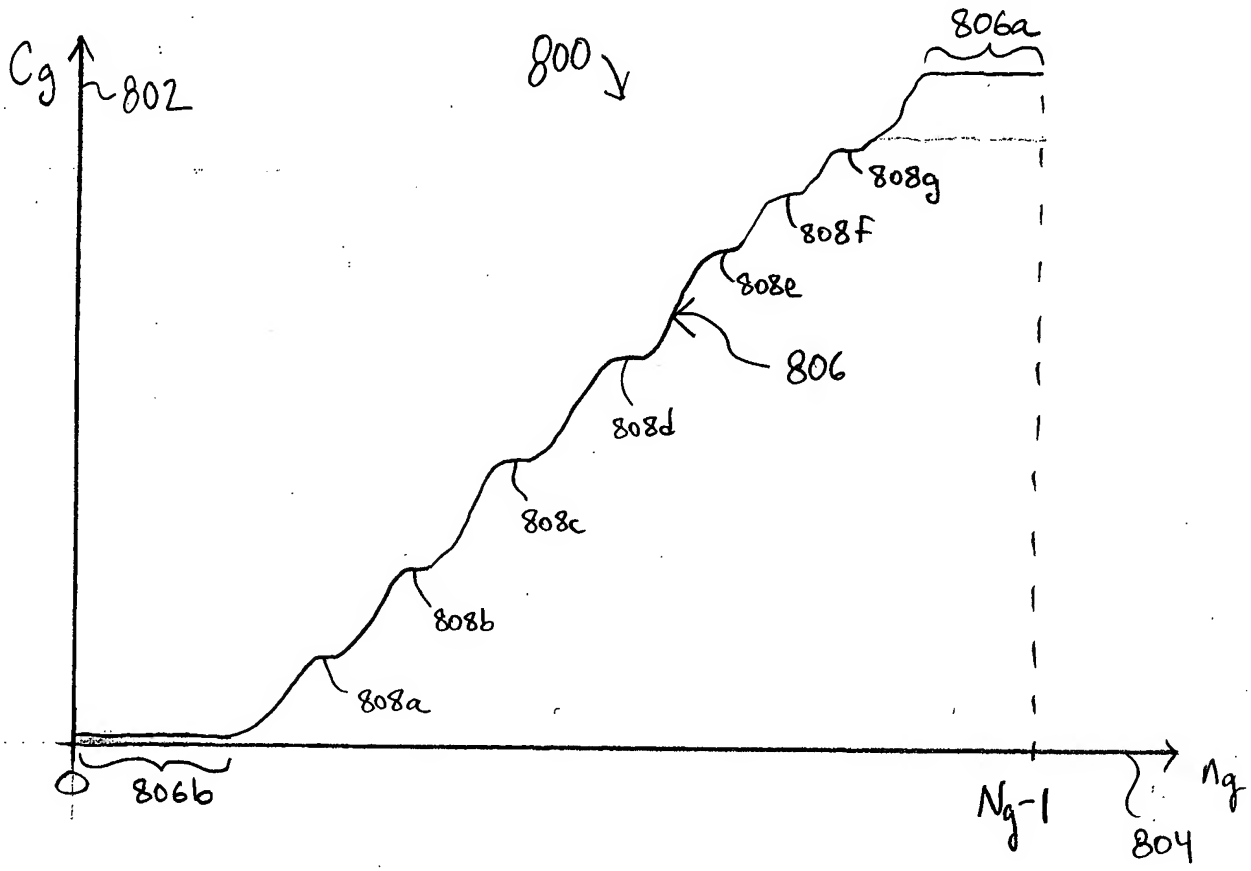
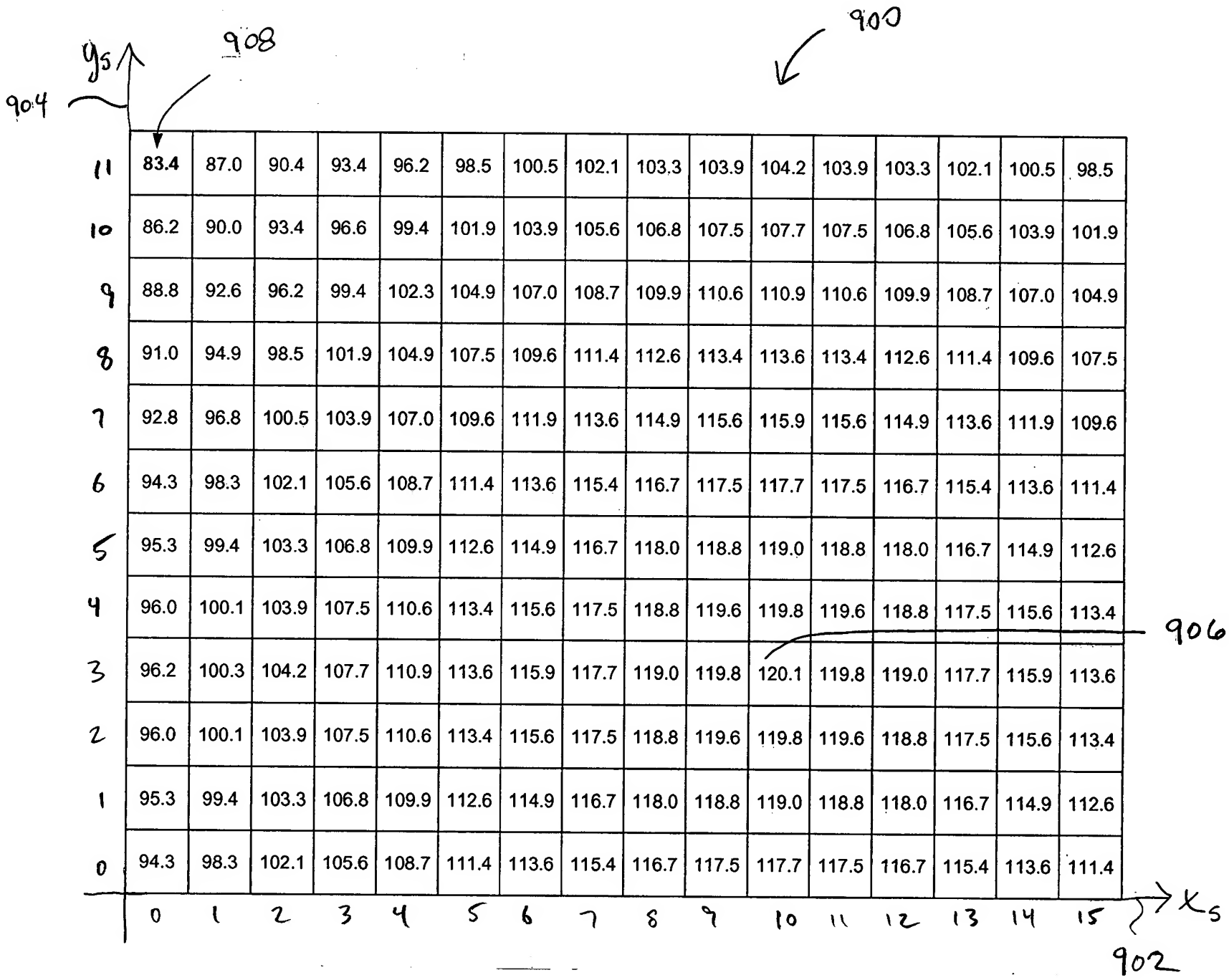
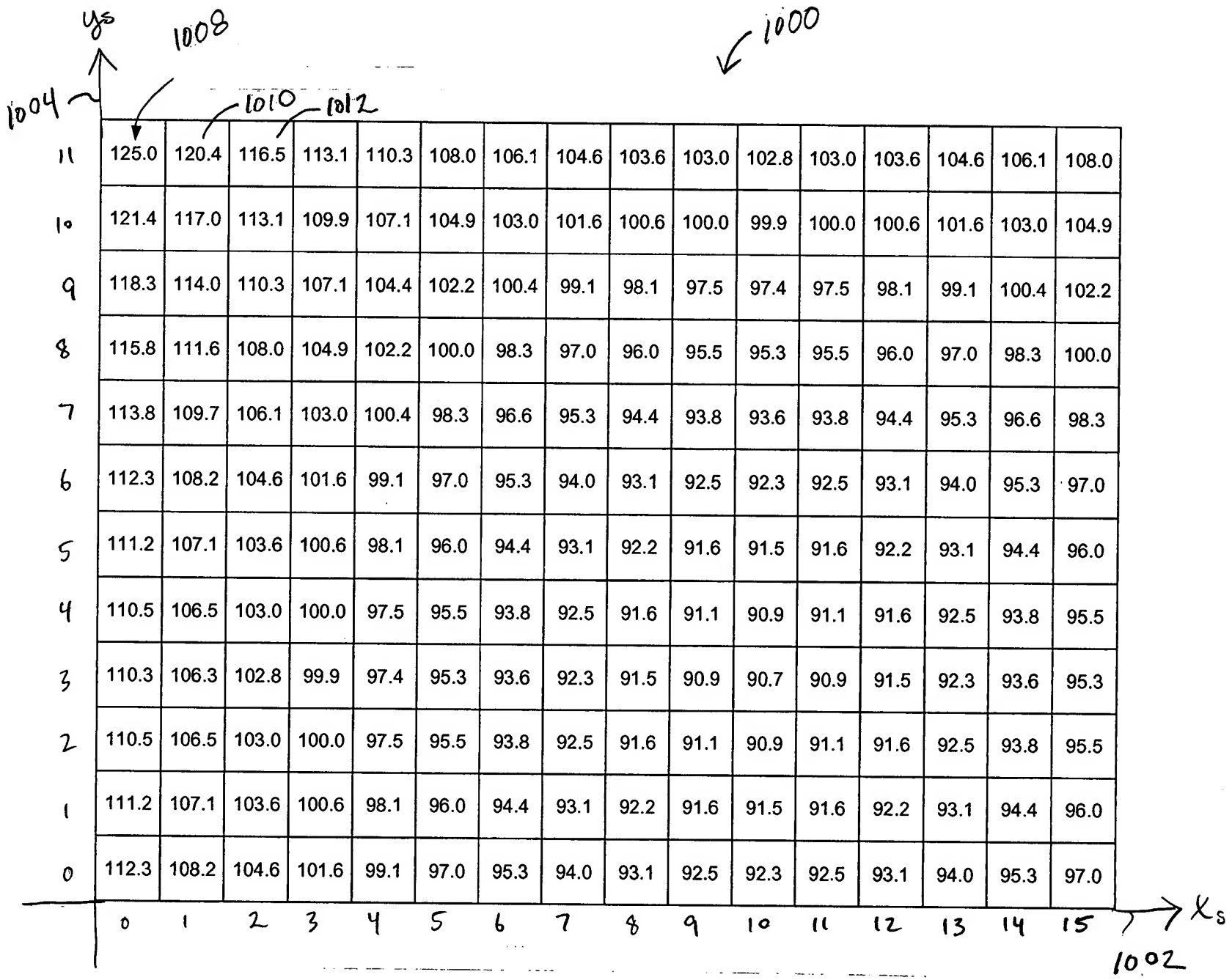


FIG. 8



	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
11	83.4	87.0	90.4	93.4	96.2	98.5	100.5	102.1	103.3	103.9	104.2	103.9	103.3	102.1	100.5	98.5
10	86.2	90.0	93.4	96.6	99.4	101.9	103.9	105.6	106.8	107.5	107.7	107.5	106.8	105.6	103.9	101.9
9	88.8	92.6	96.2	99.4	102.3	104.9	107.0	108.7	109.9	110.6	110.9	110.6	109.9	108.7	107.0	104.9
8	91.0	94.9	98.5	101.9	104.9	107.5	109.6	111.4	112.6	113.4	113.6	113.4	112.6	111.4	109.6	107.5
7	92.8	96.8	100.5	103.9	107.0	109.6	111.9	113.6	114.9	115.6	115.9	115.6	114.9	113.6	111.9	109.6
6	94.3	98.3	102.1	105.6	108.7	111.4	113.6	115.4	116.7	117.5	117.7	117.5	116.7	115.4	113.6	111.4
5	95.3	99.4	103.3	106.8	109.9	112.6	114.9	116.7	118.0	118.8	119.0	118.8	118.0	116.7	114.9	112.6
4	96.0	100.1	103.9	107.5	110.6	113.4	115.6	117.5	118.8	119.6	119.8	119.6	118.8	117.5	115.6	113.4
3	96.2	100.3	104.2	107.7	110.9	113.6	115.9	117.7	119.0	119.8	120.1	119.8	119.0	117.7	115.9	113.6
2	96.0	100.1	103.9	107.5	110.6	113.4	115.6	117.5	118.8	119.6	119.8	119.6	118.8	117.5	115.6	113.4
1	95.3	99.4	103.3	106.8	109.9	112.6	114.9	116.7	118.0	118.8	119.0	118.8	118.0	116.7	114.9	112.6
0	94.3	98.3	102.1	105.6	108.7	111.4	113.6	115.4	116.7	117.5	117.7	117.5	116.7	115.4	113.6	111.4

FIG. 9



ys \ xs	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
11	125.0	120.4	116.5	113.1	110.3	108.0	106.1	104.6	103.6	103.0	102.8	103.0	103.6	104.6	106.1	108.0
10	121.4	117.0	113.1	109.9	107.1	104.9	103.0	101.6	100.6	100.0	99.9	100.0	100.6	101.6	103.0	104.9
9	118.3	114.0	110.3	107.1	104.4	102.2	100.4	99.1	98.1	97.5	97.4	97.5	98.1	99.1	100.4	102.2
8	115.8	111.6	108.0	104.9	102.2	100.0	98.3	97.0	96.0	95.5	95.3	95.5	96.0	97.0	98.3	100.0
7	113.8	109.7	106.1	103.0	100.4	98.3	96.6	95.3	94.4	93.8	93.6	93.8	94.4	95.3	96.6	98.3
6	112.3	108.2	104.6	101.6	99.1	97.0	95.3	94.0	93.1	92.5	92.3	92.5	93.1	94.0	95.3	97.0
5	111.2	107.1	103.6	100.6	98.1	96.0	94.4	93.1	92.2	91.6	91.5	91.6	92.2	93.1	94.4	96.0
4	110.5	106.5	103.0	100.0	97.5	95.5	93.8	92.5	91.6	91.1	90.9	91.1	91.6	92.5	93.8	95.5
3	110.3	106.3	102.8	99.9	97.4	95.3	93.6	92.3	91.5	90.9	90.7	90.9	91.5	92.3	93.6	95.3
2	110.5	106.5	103.0	100.0	97.5	95.5	93.8	92.5	91.6	91.1	90.9	91.1	91.6	92.5	93.8	95.5
1	111.2	107.1	103.6	100.6	98.1	96.0	94.4	93.1	92.2	91.6	91.5	91.6	92.2	93.1	94.4	96.0
0	112.3	108.2	104.6	101.6	99.1	97.0	95.3	94.0	93.1	92.5	92.3	92.5	93.1	94.0	95.3	97.0

FIG. 10

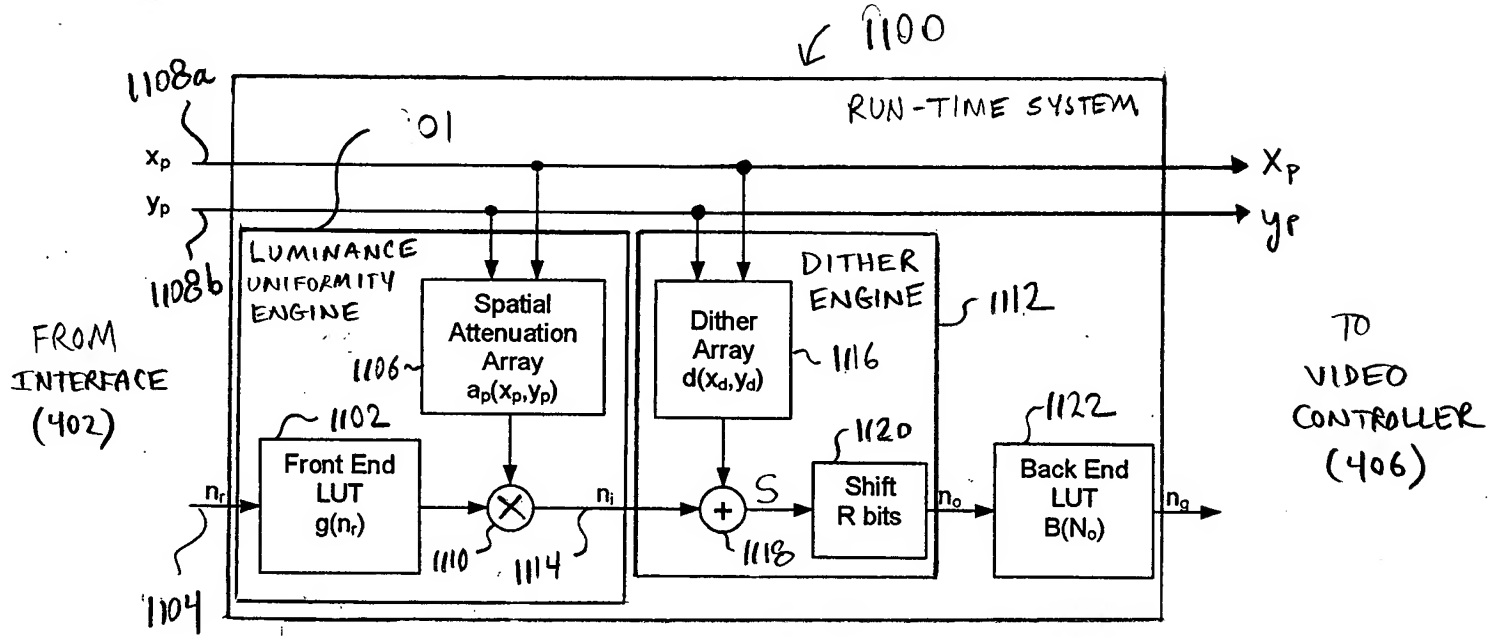

1100
RUN-TIME SYSTEM
1108a
x_p
y_p
1108b
FROM INTERFACE (402)
LUMINANCE UNIFORMITY ENGINE
Spatial Attenuation Array $a_p(x_p,y_p)$
1106
1102
Front End LUT $g(n_r)$
n_r
1104
1110
1114
n_i
DITHER ENGINE
1112
Dither Array $d(x_d,y_d)$
1116
S
1118
1120
Shift R bits
n_o
1122
Back End LUT $B(N_o)$
n_g
X_p
y_p
TO VIDEO CONTROLLER (406)

FIG. 11

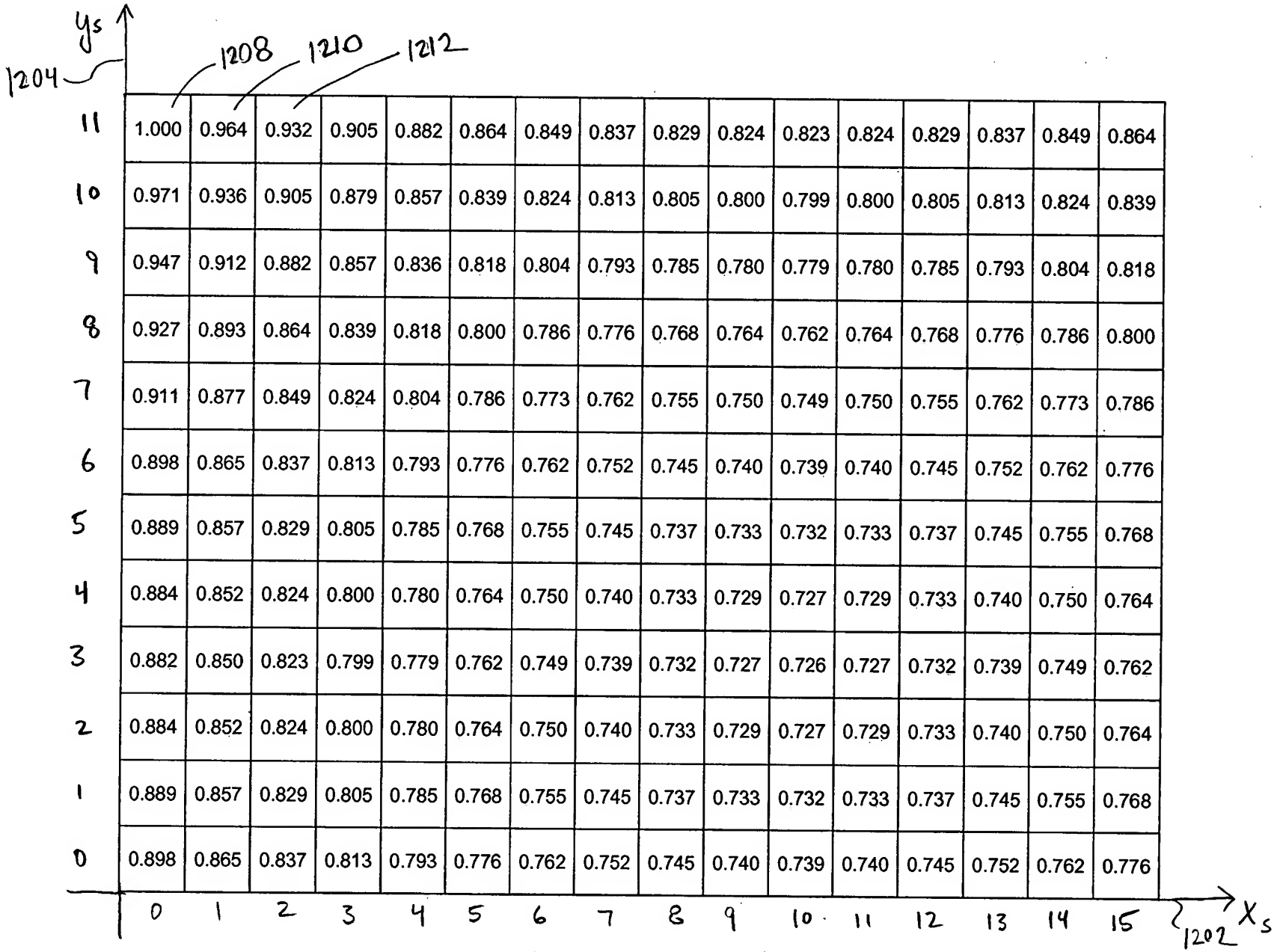

y_s
1204
1208
1210
1212
11 1.000 0.964 0.932 0.905 0.882 0.864 0.849 0.837 0.829 0.824 0.823 0.824 0.829 0.837 0.849 0.864
10 0.971 0.936 0.905 0.879 0.857 0.839 0.824 0.813 0.805 0.800 0.799 0.800 0.805 0.813 0.824 0.839
9 0.947 0.912 0.882 0.857 0.836 0.818 0.804 0.793 0.785 0.780 0.779 0.780 0.785 0.793 0.804 0.818
8 0.927 0.893 0.864 0.839 0.818 0.800 0.786 0.776 0.768 0.764 0.762 0.764 0.768 0.776 0.786 0.800
7 0.911 0.877 0.849 0.824 0.804 0.786 0.773 0.762 0.755 0.750 0.749 0.750 0.755 0.762 0.773 0.786
6 0.898 0.865 0.837 0.813 0.793 0.776 0.762 0.752 0.745 0.740 0.739 0.740 0.745 0.752 0.762 0.776
5 0.889 0.857 0.829 0.805 0.785 0.768 0.755 0.745 0.737 0.733 0.732 0.733 0.737 0.745 0.755 0.768
4 0.884 0.852 0.824 0.800 0.780 0.764 0.750 0.740 0.733 0.729 0.727 0.729 0.733 0.740 0.750 0.764
3 0.882 0.850 0.823 0.799 0.779 0.762 0.749 0.739 0.732 0.727 0.726 0.727 0.732 0.739 0.749 0.762
2 0.884 0.852 0.824 0.800 0.780 0.764 0.750 0.740 0.733 0.729 0.727 0.729 0.733 0.740 0.750 0.764
1 0.889 0.857 0.829 0.805 0.785 0.768 0.755 0.745 0.737 0.733 0.732 0.733 0.737 0.745 0.755 0.768
0 0.898 0.865 0.837 0.813 0.793 0.776 0.762 0.752 0.745 0.740 0.739 0.740 0.745 0.752 0.762 0.776
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
1202
x_s

FIG. 12